

Title: RANDOMLY GENERAL SED GLYCOPEPTIDE COMBIN LIBRARIES

Inventor(s): R. Rao KOGANTY et al. Atty. Dkt. No.: 042881/0156

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## Combinatorial glycopeptides

 $O_1$ ,  $O_2$ ,  $O_3$  = Glycosylation sites

 $R_1$  to  $R_5$  = Side chains that create site specificity

Figure 1



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#### A CYCLIC MUC1 PEPTIDE

Figure 2



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#### THE SIMPLEST CYCLIC PEPTIDE

A SOLUBLE VERSION OF THE ABOVE (with C14 lipid)

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Figure 4



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Figure 5

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N EXAMPLE OF A CYCLIC PEPTIDE FOR RANDOM GLYCOSYLATIONS
SILITY OF SUCH PEPTIDES MAY BE ENHANCED BY HYDROPHOBIC GROUPS

Figure 6

FIGURE 8.

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# Functional Demonstration of Glycopeptide Library With Well Characterized Monocional Antibodies

